

*from MacCentral*

## ***Apple Retains Huge Lead in Q2 Music Player Market***

*by Dan Nystedt, IDG News Service*

Apple continued to lead the U.S. digital music player market in the second quarter with a 75.6 percent share, according to the NPD Group.

“Apple has done a great job of focusing consumers’ attention on digital music in their products through millions of dollars in advertising,” said Ross Rubin, analyst at the NPD Group, via e-mail.

But its hard to tell if Apple will be able to maintain its sizable lead as mobile phone companies continue to put out handsets with built-in music players. A number of analysts have warned that the digital music player market could go the way of the PDA (personal digital assistant), which saw growth drop off once mobile phone companies introduced smart phones, handsets with PDA functionality.

Rubin says that companies focused on stand alone digital music players should remain competitive

against the mobile phone industry because their devices have greater capacity, better user interfaces, better integration with online music services, and stronger DRM (digital rights management) support.

U.S. mobile phone service providers have also hindered the popularity of using mobile phones as music players because they have been charging more for purchasing songs online than their rivals in the stand alone music player business, Rubin said. Carriers have also in some cases been reluctant to enable music file exchange with PCs via memory cards or Bluetooth, instead preferring that consumers rely on their networks for purchases, he added.

But he noted that mobile phone companies are getting better at the music business, especially in recent handset models from companies such as Sony Ericsson Mobile Communications, LG Electronics and

Nokia, indicating that the fight is still in its early rounds.

SanDisk followed Apple in the second quarter ranking with a 9.7 percent market share, according to the NPD Group, while Creative Technology took

*Con't on page 2, Music Market*



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Myhre Road, Silverdale  
(one block east of Silverdale Way)

***Evening Meetings  
Cancelled***

*see page 5 for details*

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<http://www.homepage.mac.com/kmug1>***

*from MacCentral*

# ***Analysts: Apple Delivered the Goods at WWDC***

*by Jim Dalrymple*

Apple's preview of Mac OS X Leopard won rave reviews from technology industry analysts who said that Monday's Worldwide Developer Conference keynote set a strong tone for the coming months.

"With enhancements to existing features like Spotlight, iChat, Mail, and new features like Time Machine and Boot Camp, I think that Apple has demonstrated that there is enough value in Leopard for Mac users to upgrade," Technology Business Research senior analyst Tim Deal told Macworld.

Michael Gartenberg, vice president and research director at JupiterResearch, agreed. "There is certainly a strong effort to show that most of the things in Vista are already available in [Mac OS X] Leopard and

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## ***Con't from page 1, Music Market***

third with 4.3 percent of the U.S. digital music player market.

The NPD Group does not include mobile phones with built in music player functions in its figures.

U.S. stand alone digital music player market in Q2, 2006

<u>Company</u>	<u>Percent market share</u>
Apple	75.6 percent
SanDisk	9.7 percent
Creative	4.3 percent
Samsung	2.5 percent
Sony	1.9 percent

Source: The NPD Group ●

Tiger," he said. "Without showing their hand, [Apple is] showing how they can move beyond where [Microsoft] Vista is going."

While that upcoming operating system from Microsoft has been the brunt of many jokes from Apple CEO Steve Jobs over the years—including several during Monday's keynote—Apple executives said the company isn't focused on Microsoft.

"Our goal is always going to be to create the best desktop operating system that has ever existed," said Brian Croll, Apple's senior director of Software Product Marketing. "It's all about delivering the things that our customers want."

### **Developer support**

Past overhauls to OS X have usually brought with them complaints about Apple adding features that mirror offerings from third-party developers—think back to the controversy over Dashboard and its similarities to Konfabulator when Tiger was previewed at the 2004 developers conference.

Apple could be in store for similar criticism with Leopard. The OS X update includes backup capabilities and iChat enhancements including video effects. Both features are available via third-party applications.

However, analysts downplay the possibility of controversy. "There's no developer that has an application quite like Time Machine," said Gartenberg. "There's still opportunities to create new things or enhance the existing products—Apple is thinking of its customers first."

Take Dashboard, Gartenberg said. Its inclusion in OS X affected Konfabulator developers Arlo Rose and Perry Clark. But adding the Dashboard feature to OS X opened the door for many more developers to enter the market.

Deal said that Apple needs to be more open with its developers. "It is essential for Apple to work in concert with third-party application developers or risk alienating them and losing them altogether,"

***Con't on page 3, WWDC***

## Con't from page 2, WWDC

he added. "I think the company is beginning to understand that the Mac ecosystem thrives on third-party collaboration."

### **Mac Pro musings**

Leopard wasn't the only Apple offering showcased Monday. The company also released the Mac Pro desktop powered by two Intel Xeon processors and announced a Xeon-based Xserve. Analysts believe the move to Xeon chips was smart for the company's long-term goals, proving that the company is serious about power in its pro machines.

"With two Xeon chips, and double the performance of the Power Mac, the new Mac Pro is a sweet box," Deal said. "Apple has also succeeded in differentiating the Mac Pro from high-end iMacs, which could help prevent cannibalizing of sales like in past product launches."

Apple executives said the company wanted to give its high-end customers the best products with the best technology it could.

"That's what our pro customers deserve," said David Moody, Apple's vice president of worldwide Mac product marketing. "We want to keep them at the forefront of the technology so they can do the best work they can."

Deal believes Apple succeeded at doing that with its latest hardware. "It speaks volumes about the company's drive to succeed within the professional environment," he added. "In order for Apple to be taken seriously by business customers, it could in no way skimp on hardware performance in the server space."

Not only did the Apple deliver powerful pro desktop and server machines, but it also did so at a cheaper price than the Mac Pro's PowerPC-based predecessors. This will go a long way to help Apple ditch the perception that its offerings are more expensive than those of other PC manufacturers, analysts say. "Apple has made significant strides in becoming more price competitive, however the company still has far to go in order to convince the public of that," Deal said.

from MacCentral

## **Study: Apple Leads Industry in Customer Satisfaction**

*by Peter Cohen*

Newly published data from the American Customer Satisfaction Index show that Apple leads other personal computer manufacturers, beating out Dell, HP and others.

On a 100 point scale, Apple merited a score of 83, according to the ACSI, a 2.5 percent year-over-year increase and a 7.8 percent increase from 1995, the first year the ACSI measured the PC industry.

The annual ACSI is sponsored by the American Society for Quality (ASQ) and University of Michigan's M. Ross School of Business. It's derived from phone interviews with customers contacted by using digital-dial telephone samples — more than 70,000 consumers are identified and interviewed annually.

Both Apple and Dell advanced this year — Dell moved up 5 percent to a score of 78, despite slipping market share and lower earnings. In fact, overall customer satisfaction in the PC industry increased 4 percent to 77, the highest score since the ACSI began tracking the industry. Every single PC maker showed improved satisfaction this past year, according to the ACSI results. ●

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from MacCentral

## **WWDC: Microsoft Kills Virtual PC for Mac**

*by Peter Cohen*

At Apples Worldwide Developer Conference (WWDC) on Monday Microsofts Macintosh Business Unit (Mac BU) indicated that it will not

Con't on page 4, Virtual PC

*from MacCentral*

# **Apple recalls Sony-made PowerBook, iBook Batteries**

*by Peter Cohen*

Consumer Product Safety Commission (CPSC) on Thursday announced a recall of 1.1 million battery packs made for Apple's PowerBook and iBook battery packs. Information on the recall has been posted to the CPSC's Web site. Users who have batteries affected by this recall are entitled to a replacement battery, free of charge. Instructions are supposed to be available on Apple's Web site (the URL was not working as Macworld posted this article).

<b>Recalled iBook and PowerBook batteries</b>		
<b>Computer</b>	<b>Battery model #</b>	<b>Battery serial numbers</b>
<b>12-inch iBook G4</b>	A1061	ZZ338 through ZZ427 3K429 through 3K611 6C510 through 6C626
<b>12-inch PowerBook G4</b>	A1079	ZZ411 through ZZ427 3K428 through 3K611
<b>15-inch PowerBook G4</b>	A1078 and A1148	3K425 through 3K601 6N530 through 6N551 6N601

which were manufactured using battery cells made by Sony Energy Devices of Japan. "These lithium-ion batteries can overheat, posing a fire hazard to consumers," said the CPSC in a statement. Dell has recalled more than 4 million Sony-made battery packs.

In addition to the 1.1 million battery packs recalled in this program, the company and government agency indicate that another 700,000 battery packs sold overseas have the same problem.

"Apple has received nine reports of batteries overheating, including two reports of minor burns from handling overheated computers and other reports of minor property damage. No serious injuries were reported," read the CPSC's statement.

The batteries were used in 12-inch iBook

Apple follows Dell in recalling the laptop computer batteries,

***Con't on page 5, Recall***

## ***Con't from page 3, Virtual PC***

develop a new version of Virtual PC, its PC emulation software.

Acquired from Connectix, Microsoft's Virtual PC enables PowerPC-based Macs to run Microsoft Windows and Windows applications by emulating the inner workings of a PC-compatible computer.

Mac BU has made the decision not to move forward with a Universal version of Virtual PC at this time; however, current Virtual PC customers will continue to receive product support, said a Microsoft spokesperson in a statement.

Users have been anxiously anticipating word on the fate of Virtual PC ever since Intel Macs debuted this past January and Microsoft revealed that Virtual

PC would not run on the new system.

Developing a high-quality virtualization solution, such as Virtual PC, for the Intel-based Mac is similar to creating a version 1.0 release due to how closely the product integrates with Mac hardware, the statement concluded.

Virtual PCs performance is considerably slower than virtual machine software such as Parallels Desktop, which is available for Intel-based Macs, or Boot Camp, Apples beta software that enables an Intel Mac to run Windows natively.

Microsoft recognizes the need for some Mac users to access Windows applications, and suggests that alternative solutions offered by Apple and other vendors, combined with a fully packaged retail copy of Windows, will satisfy this need. ●

*from MacCentral*

## ***Meet the Xeon: Inside the Mac Pro's Processor***

*by Rick LePage*

Although Intel has been using the Xeon name since 1998, the dual-core Xeon 5100 processors that power the Mac Pro and Xserve lines are entirely new chips, based on Intel's 64-bit Core architecture platform. This platform was initially introduced to the public late in 2005, with chips continuing to roll out throughout this year; it includes the Core Duo and Core Solo processors used in the Mac Mini and the iMac, as well as some other chips that haven't shown up in Macs—at least not yet.

**Con't on page 6, Xeon**

### **Con't from page 4, Recall**

G4, 12-inch PowerBook G4 and 15-inch PowerBook G4 systems and were sold between October 2003 and August 2006. The following units are affected by the recall are listed on page 4.

No other models are affected by this recall.

Users are instructed to remove affected batteries from their computers and use them with AC adapters until replacements are sent.

A separate statement issued by Sony accepts the findings of the U.S. CPSC and said that Sony anticipates no further recalls of battery packs using these particular battery cells.

## ***Evening Meetings Cancelled***

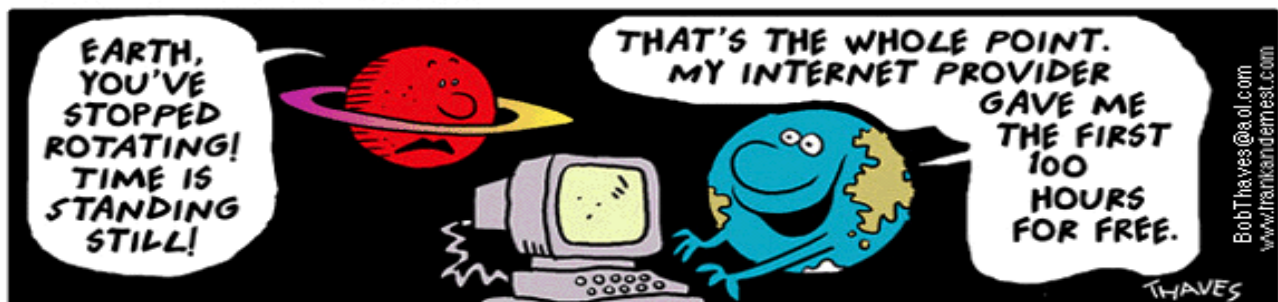
Evening meetings have been suspended until further notice. The evening meeting program is in need of leadership and someone to develop a presentation schedule. The original concept was to provide a place for working people and students to come, but the attendees are not from those groups.

Planning and carrying out a program for two meetings a month has become a burden on the luncheon meeting planners. Mac Lab is still available during the school year for those who wish to find "hands on" answers to their questions.

"The recall arises because, on rare occasions, microscopic metal particles in the recalled battery cells may come into contact with other parts of the battery cell, leading to a short circuit within the cell. Typically, a battery pack will simply power off when a cell short circuit occurs. However, under certain rare conditions, an internal short circuit may lead to cell overheating and potentially flames. The potential for this to occur can be affected by variations in the system configurations found in different notebook computers," said Sony.

Sony claims that additional safeguards have been introduced to its battery manufacturing process to prevent this from happening. ●

### **Frank and Ernest**



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Luncheon Meeting  
**KMUG Minutes**  
August 17, 2006

Don Diehl, President, opened the meeting with 22 members attending.

Roy Kauffroath introduced Justin Miller from Office Depot who told us about the new products and programs that are now available. He explained that the new Wireless Router 802.11n will be taking the place of the older 802.11g and transfers data 10x further and 4x faster. At the moment there is no adapter available for the Mac.

He said there is a WorkLife Rewards Loyalty program with some cash back and rebates. Also Office Depot has reopened the Recycle Program for inks and toners and old computers and peripherals.. Information can be found in-store or at the web site. There is also a special program that upon request from a customer, 5% of what is spent will be given to local schools at no extra cost. Office Depot now carries software for the Mac including Microsoft Office 2004, Mac Fonts, Mac Backup, Logo Design, Photoshop CS2 and more.

Justin brought an Ativa 3.5 LCD display Photo Frame that can download pictures from a computer or from a memory card. It sells for #99.00 (at times it may be on sale for up to half off). He said there is a Wireless LCD Photo Frame for \$499.00 that will download pictures from a web site as well. He also brought a portable photo printer for hands-on exploration.

He mentioned a number of Photo Printers available at Office Depot and said that HP has a new ink delivery system that is super fast and only costs

**Meeting Program**  
for  
**September 21st**

*Guest Speaker*

**Mark Aaserud**

*from Kinkos*

*topic:*

**Services available at Kinkos**

about 24 cents per print. He also presented a chart that showed the lasting qualities of using paper put out by the same printer company.

Don Diehl recently sent an email to the membership requesting input on what could be done to make KMUG more useful. Dick Nerf will look into yahoo groups and our mac site as sources for interactive communication. Frank Hartung won a drawing for a loaf of homemade bread, wrapped in a linen towel and donated by Gerry Erickson. Harvey Siders and Roy Roberts took home an engraved coffee mug and an LED flashlight made by Jim Bybee.

submitted by:  
Phyllis Robie

**Con't from Page 5, Xeon**

Code-named "Woodcrest," the Xeon 5100 debuted at the end of June, and was designed to offer top-speed computational throughput with better power efficiency than Intel's previous high-end processors. The company terms it a "server" chip, although most

**Con't on page 7, Xeon**

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## *Con't from Page 6, Xeon*

hardware vendors, Apple included, will use it in professional systems like the Mac Pro. That's due to the fact that the chip was designed to excel at the processing of huge amounts of data, like those found in real-world applications like movie production with Final Cut Pro, or image editing in applications like Aperture or Adobe Photoshop (once Photoshop is Intel-native on OS X).

The Xeon 5100 comes in three speeds: 2.0GHz, 2.67GHz, and 3.0GHz. Like the Core Duo and IBM's PowerPC 970MP used in the current Power Mac G5, the 5100 has two microprocessor cores built into each chip. Both cores run at the same rated speed, with a 1.33GHz frontside bus (which connects the processor to the rest of the system) and share a 4MB Level 2 cache, which helps keep the processors humming during compute-intensive tasks.

Unlike the cache in the Core Duo and PowerPC 970MP, either processor core can utilize the entire cache if necessary, which gives a performance boost in crucial data-processing tasks, especially with legacy, non-multithreaded applications that aren't designed to take advantage of multiple processors. One other reason, aside from performance, that the Xeon 5100 was the perfect chip to use in Apple's flagship Mac was because it is the only Core chip that can currently be used in a dual-processor configuration similar to the Power Mac Quad G5. The 5100 can only be used in single- or dual-processor configurations, so we won't see any Xserves with four Xeons in it, although Intel is expected to announce a quad-core successor to the 5100 series some time in 2007.

### **How much better than a G5?**

In synthetic tests, Apple claims that the 3GHz Mac

Pro, with its twin Xeon processors, offers more than twice the integer performance of the previous top of the line, the 2.5GHz Power Mac Quad G5, and 1.6 times the floating point performance. Of course, real-world benchmarks will tell the true story of the Mac Pro as it compares to its predecessor, but the Xeon 5100 should have a distinct performance edge over the older PowerPC chip, as we would expect in any more modern chip design with a faster front-side bus and larger and more flexible cache. (Each core in the PowerPC 970MP chip has 1MB of dedicated Level 2 cache.)

But, with the Xeon 5100, Intel claims that it has eliminated one huge performance advantage held by the PowerPC architecture: vector processing. Known to Mac users as AltiVec, or the Velocity Engine, this technology increased vector-based processing significantly on the PowerPC machines, and was one of the reasons that applications like Photoshop were able to manipulate such large image files with ease, even when other parts of the Mac subsystem weren't as fast as comparable Intel-based PCs.

In the Core architecture, Intel has a feature called Advanced Digital Media Boost. That may not roll off the tongue as cleanly as AltiVec, but Intel claims that it achieves the same end. For Mac users, the important thing to note about Advanced Digital Media Boost is that it executes 128-bit vector-based instructions in one clock cycle, instead of the two clock cycles taken by previous Intel designs. This theoretically doubles the performance of vector operations, and brings Intel to parity with AltiVec. It also should provide enhanced performance of native graphics applications, especially when

*Con't on page 8, Xeon*

## ***Need some technical assistance?***

*There are several local people who are in the business of providing technical assistance for the Mac. You may have seen and heard them making presentations and answering questions at KMUG meetings. If you need help, look at the Professional Technical Assistance Referral area on the KMUG Website.*

***<http://www.homepage.mac.com/kmug1>***

## *Force Mail to Go 'Old School'*

*By Rob Griffiths*

I'm somewhat "old school" when it comes to my e-mail messages. I like to see them in plain text, without any Web page (HTML) markup, fancy colors, background images, font changes, or other garish effects to distract from the message itself. And don't even get me started on what some of the more outrageous spam messages may look like.

Thankfully, in Mail you can get rid of any images that don't come attached to messages. Besides toning down your HTML mail, this also takes away one of the spammers' favorite tools. (Spammers embed images in HTML mail that are specifically designed to ping their servers and verify that e-mail addresses are good.) Choose Mail: Preferences, click the Viewing tab and turn off the Display Remote Images in HTML Messages option.

But what about the message itself? If someone used

HTML to "pretty up" a message, or attached the images to the message itself, you'll still see the results. But a quick trip to the Unix side of OS X can solve that problem, too. Quit Mail and launch Terminal (Applications/Utilities). At the prompt, type this command, then press Return:

```
defaults write com.apple.mail PreferPlainText -  
bool TRUE
```

You'll just get the prompt back, as though nothing had happened. But next time you launch Mail, and retrieve new messages, you should find that the vast majority are displayed in beautiful, pure, plain text. There may still be some exceptions, especially with the more virulent spammers, as they tend to not even include a plain text version of their messages. But everything else should be text only. You can take this a step further by making Mail use the fixed-width font of your choice, too. Go to Mail: Preferences and click on the Fonts & Colors tab. Enable the Use Fixed-width Font for Plain Text Messages option (and optionally choose the font, if you wish). Then you'll not only be seeing plain text, but you'll be

***Con't on page 9, Mail***

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### ***Con't from Page 7, Xeon***

working with large amounts of data. (If you would like a much more in-depth (i.e. geekier) explanation, check out ArsTechnica's excellent analysis of the Core architecture, written by Jon Hannibal Stokes.)

Intel and IBM don't use the same metrics or nomenclature when discussing power efficiency, so it's hard to compare the true power efficiency of the Xeon 5100 series with the Power Mac G5's PowerPC 970MP processor. The fact that Apple has been able to eliminate so much of the Power Mac's cooling apparatus says quite a bit about the power requirements of the 5100, however. Apple told us that the Mac Pro system as a whole only pulls 980 watts, versus 1,000 watts for the Power Mac Quad G5, and a lot of that power is routed to the PCI Express bus.

### ***The 5100 is only the beginning***

The last two years have seen chip manufacturers push

away from the "speeds and feeds" mentality of the previous decade, largely a result of the fact that, as chips have increased in speed, their power consumption has increased as significantly. The result is that companies like Intel, Advanced Micro Devices, and IBM have moved to multi-core designs that don't offer huge jumps in raw performance speed (as measured in gigahertz), instead providing tangible increases in performance (through multiple processor cores on a single chip) without linear increases in power consumption.

One of the great things for Mac users is that the Xeon 5100 used in today's Mac Pro is only the beginning of a line of high-performance chips that will be released in the next year—as noted, we should see quad-core chips, as well as chips better tuned to run in portable systems, and chips that offer notable increases in performance for low-end desktops.

Rick LePage is Macworld's editor-at-large. ●

## *Take Care When You Share*

*By Christopher Breen*

I learned a valuable lesson on the recent Mac Mania IV cruise to Mexico. When it comes to sharing, treat your iPhoto library differently than your iTunes library.

I was sitting outside the Internet Center, chatting with a fellow instructor while mucking with some photos I'd just imported into iPhoto 6. I glance over at iPhoto's Source list and spy the shared photo library of a passenger in the vicinity (I couldn't see them, but knew they had to be close enough for my AirPort card to pick them up). Figuring that sharing wouldn't have been switched on if this person didn't want their pictures viewed, I took the opportunity

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### *Con't from page 8, Mail*

seeing it in all its fixed-width glory, which (for me, at least) makes for easier reading.

If you ever tire of plain text, you can reverse the effects by quitting Mail, launching Terminal, and repeating the above command--just change TRUE to FALSE.

I may be old-fashioned, but I just find it much easier to read a nice, clean font on an unfettered background. If you do, too, you'll like this trick. ●

to peek. I found a compelling image and thought "Wouldn't it be great if I could copy this image to my Mac just by clicking it like this and then dragging it to my iPhoto library and...."

The image copied to my Mac. And that sounded any number of internal alarms.

I'm all for sharing iTunes libraries -- it's a great way to learn about new music and gain some insight into the tastes of the person whose library you're listening to. But photos are far more personal. They can be not only revealing (and yes, in the world of developer-less photo processing, I mean this in every sense of the word) but also embarrassing and, well, personal. I'm happy to create slideshows of my family for the viewing pleasure of my nearest and dearest, but I'd feel more than a little uncomfortable learning that the overcoated creep in the coffee-shop corner was in possession of those same images.

Worse yet, some people use iPhoto as a presentation tool -- storing slides that may reveal information of a business nature that's best kept confidential. Do you really want the world to know of your plan to corner the bauxite market two weeks before the IPO hits?

So here's a hint. Think twice and then think again before enabling the Share My Photos option in the Sharing tab of iPhoto's preferences. If you're going to share, consider preparing a select album or two of images you want to broadcast to the world, enabling the Share Selected Albums option, and choosing just those images intended for public consumption. ●

***KMUG's home page is now at:  
<http://www.homepage.mac.com/kmug1>***

----- **ABOUT MEMBERSHIP** -----

To join Kitsap Macintosh User's Group  
send name, address (e-mail and snail mail), phone number and dues (\$20/year) to:

**KMUG**

**P.O. Box 1271, Silverdale, WA 98383**

or come to one of our meetings and sign up!

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Mac Lab Coordinator ..... Gwen Kauffroath  
(gwenk17@comcast.net)

----- **RENEWING MEMBERSHIP** -----

Renewal notices will be delivered by email.

Renewal dues are \$20.

----- **ABOUT MEETINGS** -----

**Luncheon**

Third Thursday of each month at 10:30 A.M.  
Solarium Room, All Star Lanes,  
Myhre Road, Silverdale  
(one block East of Silverdale Way)

**Evening**

First Thursday of each month at 6:30 P.M.  
Solarium Room, All Star Lanes,  
Myhre Road, Silverdale  
(one block East of Silverdale Way)

**This month's newsletter editor was Joe Williams**



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